

<p><b>2002-483574/52</b> A82 G02 (A14 A26) <b>FURU 2000.07.31</b></p> <p>FURUKAWA ELECTRIC CO LTD *JP 2002114941-A</p> <p>2000.07.31 2000-232183(+2000JP-232183) (2002.04.16) C09D</p> <p>153/00, 133/14, 161/28, 175/04, 183/04</p> <p><b>Hardening resin for a water repellent paint comprise hydroxyl-group containing silicone acryl block polymer, hardening agent and organic particles</b></p> <p><b>C2002-137866</b></p> <p>Addnl. Data: NIPPON PAINT CO LTD (NIPA )</p> <p>2001.07.19 2001JP-220468</p>	<p>A(4-F4B, 6-AE1, 8-C9A, 12-B1C, 12-B1E) G(2-A1, 2-A2C)</p> <p>by polymerizing: (a-1) a hydroxyl group-bearing acryl monomer, or a mixture of (a1) the acryl monomer and (a2) other ethylenically unsaturated monomer;</p> <p>(B) polyisocyanato hardening agent and/or a melamine hardening agent; and</p> <p>(C) Organic particles having a mean particle diameter of 1-10 micro m, being a primary particle condensate having a mean particle diameter of several 10 nm.</p>
<p><b>NOVELTY</b></p> <p>Hardening resin for a water repellent paint consists of:</p> <p>(A) hydroxyl group-containing silicone acryl block polymer;</p> <p>(B) polyisocyanato hardening agent and/or a melamine hardening agent; and</p> <p>(C) Organic particles having a mean particle diameter of 1-10 micro m, being a primary particle condensate having a mean particle diameter of several 10 nm.</p> <p><b>DETAILED DESCRIPTION</b></p> <p>Hardening resin for a water repellent paint consists of:</p> <p>(A) hydroxyl group-containing silicone acryl block polymer obtained</p>	<p><b>USE</b></p> <p>The hardening resin is used for water repellent paint and finds its application in the painted matter.</p> <p><b>ADVANTAGE</b></p> <p>The hydroxyl group-containing silicone acryl block polymer has good water repellency. The hardening agent crosslinks the polymer. The result timewisely decreases no water repellency observed in the coating film. The inorganic particles highly increase an apparent water contact angle observed in the coating film. The result exhibits the</p> <p>JP 2002114941-A+</p>

superior water repellency. The hardening resin exhibits the superior water repellency and retains its function.

#### TECHNOLOGY FOCUS

Inorganic Chemistry - Composition: The inorganic particle consists of hydrophobic silica.

Products: A painted matter has the painted hardening resin composition.  
(8pp215DwgNo.0/0)

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